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AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, or listings, of claims in the present application.

1. (Currently Amended) A process for producing polymers having repeating units derived from at least one isoolefin monomer, at least one multiolefin monomer and, optionally, further copolymerizable monomers comprising:

providing at least one isoolefin monomer, at least one multiolefin monomer, and, optionally, further copolymerizable monomers; and

polymerizing the at least one isoolefin monomer, at least one multiolefin monomer, and, optionally, further copolymerizable monomers in the presence of from 5 to 500 ppm of at least one organic nitro containing compound or H-NO₂ and AlCl₃/water in the absence of compounds selected from the group consisting of vanadium compounds, zirconium halogenid, and hafnium halogenides.
2. (Currently Amended) The process according to Claim 1, wherein said organic nitro containing compound is of the general formula (I)

$$\text{R-NO}_2 \quad (I)$$

wherein R is selected from the group consisting of H, C₁-C₁₈ alkyl, C₃-C₁₈ cycloalkyl or C₆-C₂₄ cycloaryl.
3. (Canceled)
4. (Previously Presented) The process according to Claim 1, wherein said at least one isoolefin monomer is isobutene.
5. (Previously Presented) The process according to Claim 1, wherein said at least one multiolefin monomer is isoprene.
6. (Previously Presented) The process according to Claim 1, wherein said at least one multiolefin monomer is provided at a concentration of greater than 2.5 mol %.

7. (Previously Presented) The process according to Claim 1, wherein said at least one multiolefin monomer has a molecular weight M_w of greater than 240 kg/mol.

8.-10. (Cancelled)